

page 22, line 20, after "color locus" delete "); and

line 26, change "10 mm" to --10 μm --.

Page 38, line 7, change "particles 37" to --particles 6--.

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In the Claims:

~~Claim 1 (twice amended). A light-radiating semiconductor component, comprising:~~

~~a semiconductor body emitting electromagnetic radiation during an operation of the semiconductor component, said semiconductor body having a semiconductor layer sequence suitable for emitting electromagnetic radiation of a first wavelength range selected from a spectral region consisting of ultraviolet, blue, and green;~~

~~a first electrical terminal and a second electrical terminal each electrically conductively connected to said semiconductor body;~~

~~a luminescence conversion element with at least one luminescent material, said luminescence conversion element converting a radiation originating in the first wavelength range into radiation of a second wavelength range different from the first wavelength range, such that the semiconductor~~

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component emits polychromatic [radiation] visible light comprising radiation of the first wavelength range and radiation of the second wavelength range; and

said luminescence conversion element being formed such that the radiation of the first wavelength range passes through said luminescence conversion element along a plurality of paths, the plurality of paths having a substantially equal path length inside said luminescence conversion element, and said luminescence conversion element emitting a substantial portion of the radiation of the first wavelength range and the radiation of the second wavelength range.

Please add new claim 34:

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--34. A white light emitting semiconductor component, comprising:
a semiconductor body emitting electromagnetic radiation during an operation of the semiconductor component, said semiconductor body having a semiconductor layer sequence suitable for emitting blue light;
a first electrical terminal and a second electrical terminal each electrically conductively connected to said semiconductor body; and